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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/531,670	04/18/2005	Johannes Boppel	W1.2163 PCT-US	W1.2163 PCT-US 1819	
7590 11/06/2006			EXAM	EXAMINER	
Douglas R Hanscom			TAWFIK, SAMEH		
Jones Tullar &	Cooper		ADTIBUT	DADED MUADED	
P O Box 2266			ART UNIT	PAPER NUMBER	
Eads Station			3721		
Arlington, VA 22202			DATE MAILED: 11/06/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
Office A 41' Occurrence	10/531,670	BOPPEL ET AL.				
Office Action Summary	Examiner	Art Unit				
	Sameh H. Tawfik	3721				
The MAILING DATE of this communication app	ears on the cover sheet with the c	orrespondence address				
Period for Reply		_				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w. - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	l. ely filed the mailing date of this communication. O (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 18 Se	entember 2006					
	action is non-final.					
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closed in accordance with the practice under E	·					
·						
Disposition of Claims						
4) Claim(s) 42-98 is/are pending in the application.						
4a) Of the above claim(s) See Continuation She	<u>eet</u> is/are withdrawn from conside	ration.				
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>42,45-47,49,51,53,55,57,59,61,63,67,70,72,74,77,79,84,88 and 90</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or	election requirement.					
Application Papers						
9) The specification is objected to by the Examiner	r. ·					
10) The drawing(s) filed on is/are: a) acce	epted or b) objected to by the E	xaminer.				
Applicant may not request that any objection to the o						
Replacement drawing sheet(s) including the correcti	on is required if the drawing(s) is obj	ected to. See 37 CFR 1.121(d).				
11) The oath or declaration is objected to by the Exa	aminer. Note the attached Office	Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:	priority under 35 U.S.C. § 119(a)	-(d) or (f).				
·— _ ·— ·—	s have been received					
 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 						
3. Copies of the certified copies of the priority	·					
application from the International Bureau		a iir tiilo National Stage				
* See the attached detailed Office action for a list of	, ,,	d				
200 m. a and and a diamon a more delication for a mark	and common depicts from receive					
MAA-2-b						
Attachment(s)	4) Interview Summary	(PTO-413)				
2) Notice of Praftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	te				
Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 01122006&04182005.	5) Notice of Informal Pa	atent Application (PTO-152)				
r aper 140(5)/14/aii Date <u>011/22000@04/102000</u> .	o) [_] Oulet,					

Continuation of Disposition of Claims: Claims withdrawn from consideration are 43,44,48,50,52,54,56,58,60,62,64-66,68,69,71,73,75,76,78,80-83,85-87,89 and 91-98.

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DETAILED ACTION

Election/Restrictions

Applicant's election of Group I (claims 42, 45-47, 49, 51, 53, 55, 57, 59, 61, 63, 67, 70, 72, 74, 77, 79, 84, 88, and 90) in the reply filed on 09/18/2006 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

Priority

Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 42, 45-47, 49, 51, 53, 55, 57, 59, 61, 63, 67, 70, 72, 74, 77, 79, 84, 88, and 90 rejected under 35 U.S.C. 103(a) as being unpatentable over Lang et al. (DE 198 29 095).

Lang discloses a former of a web-processing machine comprising: first and second angularly converging leg areas (Fig. 1; via 6 and 7) having surfaces adapted to act with a web to be folded; a nose section at a convergence of said leg areas and having a nose surface (via nose section at the lower portion of Fig. 1); a first coating of a micro-porous material on said surface of said leg areas (via former plate 1 with inner bores 2 and 3 along the edges) and having a plurality of micro-openings of open pores of said micro-porous material for the exit of a fluid

under pressure, see for example (Fig. 1) and having a first fluid permeability per unit of area; and a second coating of a micro-porous material on said surface of said nose section (Fig. 1; via 12-15) and having a plurality of micro-openings of open pores of said micro-porous material for the exit of fluid under pressure, see for example (Fig. 1) and having a second fluid permeability per unit of area.

Lang does not have the first and second coating of the micro porous material with diameter of less than 500 µm nor the second fluid permeability being greater than the first fluid permeability. However, it would have been obvious to one having ordinary skill in the art at the time the invention was made to have modified Lang's former with having the first and second coating of the micro porous material with diameter of less than 500 µm and the second fluid permeability being greater than the first fluid permeability, since it has been held that discovering an optimum value of a result effective variable involves only routine skill in the art. In re Boesch, 617 F. 2d 272, 205 USPQ 215 (CCPA 1980).

Regarding claim 45: Lang does not disclose that the pores have a mean diameter of 5 to 50 μ m. However, it would have been obvious to one having ordinary skill in the art at the time the invention was made to have modified Lang's former with having the pores diameter of 5 to 50 μ m, since it has been held that where the general conditions of a claim are disclosed in the prior art, discovering the optimum or workable ranges involves only routine skill in the art. In re Aller, 105 USPQ 233.

Regarding claims 46 and 47: the porous material is an open pored sinter material/mtal, see for example (Figs. 1 and 2; via air pipes). Note that it is inherent such pipes are metal pipes.

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Regarding claim 49: a load bearing support body enclosing a hollow space (via 1); the coatings being a layer on the support body (via pipes being a layer in the support body 1).

Regarding claim 51: including a support surface (via inner surface of 1) connected with the coating and having a plurality of openings adapted to supply fluid to the coating (via pipes with openings supplying fluid to 1).

Regarding claim 53: Lang does not disclose that the coating has a thickness between 0.05 mm and 0.3 mm. However, it would have been obvious to one having ordinary skill in the art at the time the invention was made to have modified Lang's former with having the coating has a thickness between 0.05 mm and 0.3 mm, since it has been held that where the general conditions of a claim are disclosed in the prior art, discovering the optimum or workable ranges involves only routine skill in the art. In re Aller, 105 USPQ 233.

Regarding claim 55: the support body (1) has a plurality of passages.

Regarding claim 57: the support body has a wall supporting the coating, note that it is inherent such former discloses a frame/wall to support via 1.

Lang, does not disclose that the wall thickness of greater than 3 mm. However, it would have been obvious to one having ordinary skill in the art at the time the invention was made to have modified Lang's former with having the wall thickness of greater than 3 mm, since it has been held that discovering an optimum value of a result effective variable involves only routine skill in the art. In re Boesch, 617 F. 2d 272, 205 USPQ 215 (CCPA 1980).

Regarding claim 59: wherein said support body (1) is a porous material having an air permeability greater than said micro-porous material (Figs. 1 and 2).

Regarding claim 61: wherein the support body includes a flat material including the hollow space (Figs. 1 and 2; via 1 has a flat surface).

Regarding claim 63: wherein in the leg area the support body is a tube provided with passages (Figs. 1 and 2; it is inherent that 1 shaped as tube by the edges).

Regarding claim 67: Lang does not disclose that the micro openings allow passage of 1 to 20 standard cubic meters of air per hour. However, it would have been obvious to one having ordinary skill in the art at the time the invention was made to have modified Lang's former with having the micro openings allow passage of 1 to 20 standard cubic meters of air per hour, since it has been held that where the general conditions of a claim are disclosed in the prior art, discovering the optimum or workable ranges involves only routine skill in the art. In re Aller, 105 USPQ 233.

Regarding claims 70, 72, and 74: a feed line adapted to feed fluid to the former (Figs. 1 and 2; via 8-11). Lang does not disclose that the porous material is charged with an excess pressure of at least 1 bar/4 bar nor the feed line having an interior area of less than 100 mm square. However, it would have been obvious to one having ordinary skill in the art at the time the invention was made to have modified Lang's former with having the porous material is charged with an excess pressure of at least 1 bar/4 bar and the feed line having an interior area of less than 100 mm square, since it has been held that discovering an optimum value of a result effective variable involves only routine skill in the art. In re Boesch, 617 F. 2d 272, 205 USPQ 215 (CCPA 1980).

Regarding claims 77 and 79: wherein said micro-openings are formed in an insert releasably secured to a support on said former, see for example (Figs. 1 and 2).

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Regarding claim 84: further including a first hollow chamber adapted to supply said leg area with fluid (via 8 and 9) and a second hollow chamber adapted to supply said nose section with fluid (via 10 and 11).

Regarding claim 88: wherein a pressure in said first hollow chamber is different from a pressure in said second hollow chamber; note that it is inherent such pressure in 8 and 9 could be different than the pressure in 11 as by controlling the valves.

Regarding claim 90: Lang does not disclose an air exit rate in said leg area is between 2 to 15 standard cubic meters per m2 and an air exit role in said nose section is between 7 and 20 standard cubic meters per m2 and further wherein said nose section air exit rate is greater than said leg area air exit rate. However, it would have been obvious to one having ordinary skill in the art at the time the invention was made to have modified Lang's former with having an air exit rate in said leg area is between 2 to 15 standard cubic meters per m2 and an air exit role in said nose section is between 7 and 20 standard cubic meters per m2 and further wherein said nose section air exit rate is greater than said leg area air exit rate, since it has been held that where the general conditions of a claim are disclosed in the prior art, discovering the optimum or workable ranges involves only routine skill in the art. In re Aller, 105 USPQ 233.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sameh H. Tawfik whose telephone number is 571-272-4470.

The examiner can normally be reached on Tuesday - Friday from 9:00 AM to 7:30 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rinaldi Rada can be reached on 571-272-4467. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Sameh H. Tawfik Primary Examiner Art Unit 3721

ST.